

CLAIMS:

Sub A 1. System for downloading a data file from a web server to a user workstation through a network to which is connected said user workstation, having a hard disk or storing said data file being transferred over a SCSI bus; said user workstation including a dual-port memory said dual-port memory for storing temporarily said data file having an input port and an output port, a network logic unit interconnected between said network and said input port for receiving said data file from said network and transmitting it to said dual-port memory, and a SCSI logic unit inter connected between said output-port said SCSI bus for transferring said data file from said dual-port memory to said hard disk over said SCSI bus.

2. System according to claim 1, wherein said user workstation comprises a microcontroller for running the file transfer routine between said network logic unit and said SCSI logic unit.

3. System according to claim 2, wherein said user workstation comprises a network controller for storing bursts of said data file in said dual-port memory, and a SCSI controller for reading said bursts and writing them into said hard disk through said SCSI bus.

4. System according to claim 2, wherein said microcontroller includes port scanning means for determining when data are received which is the port number being used and therefore the file transfer protocol to be used for achieving the data file transfer.

Sub A' 7

1 5. System for uploading a data file from a user  
2 workstation to a web server through a network to which is  
3 connected said user workstation, having a hard disk  
4 wherein is stored said data file to be transferred over a  
5 SCSI bus;  
6 said user workstation including a dual-port memory for  
7 storing temporarily said data file, said dual-port memory  
8 having an input port and an output port, a SCSI logic  
9 unit connected to said SCSI bus for receiving said data  
10 file from said hard disk over said SCSI bus and  
11 transmitting it to said dual-port memory, and a network  
12 logic unit interconnected between said network and said  
13 output port for transmitting said data file onto said  
14 network.

6. System according to claim 5, wherein said user  
workstation comprises a microcontroller for running the  
file transfer routine between said SCSI logic unit and  
said network logic unit.

7. System according to claim 6, wherein said user  
workstation comprises a SCSI controller for reading  
bursts of said data file from said hard disk and  
transferring them into said dual-port memory through said  
SCSI bus and a network controller for reading said bursts  
from said dual-port memory before transmitting them to  
said network.

1 8. System according to claim 7, wherein said  
2 microcontroller includes part scanning means for  
3 determining which is the port number being used and  
4 therefore the file transfer protocol to be used for  
5 achieving the data file transfer when data are to be  
6 transferred from said hard disk to said network.